



DGDC Meeting Minutes August 9, 2018

Attendance List:

Roger Barlow	USGS
Bryan Bloch.....	Chesapeake Utilities
Tommy Burton.....	Artesian Water
Kim Cloud	DTI
Daniel Cook.....	DTI
Justin Cusick.....	ESRI
Jim Galvin	Dover/Kent MPO
Lauren Good	KCI Technologies
Jay Hodny	City of Newark
Simon J Lowe.....	Dover AFB
Jimmy Kroon	DE Dept. of Agriculture
Danielle Lamborn	Kent County
Morgan McGee-Solomon	DNREC SIRS
Nicole Minni.....	UD-IPA
Mark Nowak	City of Dover
Miriam Pomilio.....	OSPC
Mark Prettyman.....	DNREC-DAQ
Mollie Raley-Hall	DelDOT
Jason Sealy.....	Cyclomedia
Thomas Simpson	Chesapeake Utilities
Chris Siple.....	New Castle County
Sigrid Smith.....	DE State University
Olena Smith	Univ. of Delaware
Debbie Sullivan	DTI
Mike Townshend	DTI
Lillian Wange.....	DGS-UD
Michael Ward	Dover/Kent MPS
Ben Wolfe	Artesian Water

Welcome & Introductions

Miriam Pomilio started the meeting at 9:05 am. She welcomed everyone to the meeting and introductions were made.

May 10, 2018 Meeting Minutes

Nicole Minni made a motion to approve the May 10, 2018 Meeting Minutes (PDF). The motion was seconded by Danielle Lamborn and it passed unanimously.

Geospatial Education Committee

Nicole Minni provided an update regarding the Geospatial Education activities.

GIS Day, Wednesday November 14, 2018. The event still needs volunteers, please email [Danielle Lamborn](#) if you're able to volunteer for the field trip event. The event also relies on the generosity of its sponsors to

pay for the Earth Balloon, station supplies as well as the volunteer lunch and breakfast. If your company is interested in sponsoring this event, please contact [Miriam Pomilio](#).

Last year the registration was so overwhelming we offered the GIS Day Road show. Schools that couldn't be accommodated at the field trip event were visited by GIS mentors and there were 5 stations set up for the students to rotate through that day. There were two schools in Smyrna and one in Seaford. The total GIS Day outreach was 800 students with combined efforts of GIS Day and the Road Show.

Miriam reported that a Grant from Esri was awarded and the GeoEducation committee hosted a teacher workshop to introduce them to the Esri developed GeoInquires, and ArcGIS Online. In addition we are exploring with DelTech the ability to offer "distance-learning" classes – remote connectivity to provide more opportunities for teachers to attend in the future.

Working on a GIS pathway in High School. DelTech and UD working with DOE. DelTech is also working on dual enrollment for high schoolers to take GIS College classes while still in high school.

We continue to need additional GeoMentors, if you're interested in volunteering some of your time to schools and/or special educational events, please contact [Nicole Minni](#).

DGS Contour Update

The Delaware Geological Survey is in the final phase of hiring a GIS specialist to handle this task. Hopefully the contours will be their first task after they start in August. It is anticipated that the contours will be available sometime late fall to early winter. Lillian Wang reported that DGS has also contacted USGS about assisting with the Contour generation. Please contact [David Wunsch](#) at DGS if you have questions or need updates. Once this dataset is completed it will be served through FirstMap.

Land Use Land Cover Update

DelDOT has offered to run the contract for the update of the Land Use Land Cover dataset – basing it on the 2017 Aerial Imagery. They are able to move forward but are still accepting offers to assist with funding. If you have any funds available please contact Bruce Allen directly. They are hoping to start early this fall, and the final dataset will be shared statewide via FirstMap.

Technical Advisory Committee and FirstMap Update

GTAC Update

Mike Townshend reported the GTAC met August 2 and discussed long term planning for GIS coordination. Miriam reported that the UD IPA is slated to create plan for GIS long term planning through grant funding from DelDOT. This initiative is part of the Governor's GEAR recommendations and updates are given to the Governors GEAR Committee.

Municipal comprehensive plan data are being added to FirstMap as it becomes available. So far, data from City of Lewes has been added. As more plans are completed, towns are encouraged add their data to added to FirstMap. They can do this through the Office of State Planning. There is a white paper on what contractors should be providing which also includes metadata. It was also suggested that a form be submitted through the PLUS process for the data transfer and metadata to help the towns understand the need for their digital data.

Other topics covered at the GTAC included continued training through Delaware Learning Center, AGOL account updates and house cleaning of un-used accounts. It was also reported by Bernie Gilbert at the GTAC meeting that he has a working Routable Centerline service running for DelDOT customized for the oversize overweight vehicle routing application. He hopes to have a Public Routable Centerline ready for FirstMap in September.

It was also reported that ESRI fixed an internal bug that was not calculating credits properly. With the bug fix the amount of credit consumption has increased.

FirstMap Update

Kim Cloud reported that DTI continues to work on the next generation of FirstMap 2.0 – business requirements are complete. ESRI will be onsite the week of August 12 to work with DTI on finalizing the design. Kim estimates the upgrade will be complete by the end of 2018. DTI will do the upgrade as a parallel system so the change will be seamless.

2017 aerial imagery – Has been sent to ESRI for use in their World Imagery and it is now live and available when you zoom in past a certain level. There has been a shift in the imagery found by a consultant caused by the process that Surdex used to orthorectify bridges. Surdex is reviewing the statewide imagery and using the bridge layer from DeIDOT to make any necessary adjustments and indicated a new set of imagery may be ready in September.

As always if you experience issues, please contact the team at FirstMap@state.de.us.

Presentation – Finding Child Care in Delaware: The Delaware Office of Child Care Licensing Map Solution

Mike Townshend, DTI, presented his solution for finding Child Care in Delaware. This mapping application allows parents to find child care using search radius or other specific criteria to filter results. See attached presentation for additional details.

Presentation – DDA – Your next Web Map should be a Dashboard!

Jimmy Kroon, DDA, presented about using Dashboards and how they can be a valuable way to present information. See attached presentation for additional details.

Federal Update

USGS – Roger Barlow

3DEP for the Nation survey – Follow up on Elevation survey of previous years. Current contributors are USGS, NRCS, and FEMA, and they are trying to include NOAA as a fourth contributor. Dewberry is the contractor for the project. The US Army Corps of Engineers has collected bathymetric data and the Delaware data should be available soon. The MOU between USGS and DNREC for the National Hydrologic Dataset (NHD) has not been signed and USGS continues negotiations with DNREC. Roger also reported that there are Elevation working groups for Maryland and New Jersey. He offered to start one for Delaware if interested.

Academia Update

University of Delaware – Olena Smith reported the Geography Department hired two GIS professors and they will start in August. UD is in the process of upgrading their GIS Software to version 10.6.1. They are now teaching classes in ArcGIS Pro. UD hosts a GIS Coffee Hour every other month which is

open to the public and they provide a Zoom link for remote attendees. The next coffee hour is August 21, 10:00- 11:30. Jay and Lillian will present about the esri conference.

UD is hosting a GIS Day event on November 14, 10:00 am in Perkins Gallery. The event will include technical presentations, poster sessions, a map-a-thon, and lunch is provided. They are currently looking for 10-minute presentations, let Olena know if you are interested in presenting. To see a list of scheduled Coffee Hours and other UD GIS information visit: <https://udel.edu/gis>

Open Comment Period

Debbie Sullivan (DTI) announced the Delaware eDUG Meeting will be held October 10, at 9:00 at the Kent County Building. They are still looking for local presentations.

Kim Cloud (DTI) is working on making broadband project available to public through FirstMap

Roger Barlow (USGS) – DC storm water report. Watershed boundary area and working on NHD updates for the area. Delivery in November.

Justin Cusick (esri) – ESRI UC plenary content is on YouTube. Enterprise Sites, location tracking app, ARCGIS indoors. John also reminded the group that the MACURISA conference is being held in Atlantic City in October.

Mollie Raley (DelDOT) indicated she's working on the Water Resource Registry.

Lillian Wang (DGS) Hydro happy hour being held monthly at the Iron Hill Brewery on Main Street in Newark.

Jimmy Kroon (DDA) reported that the DDA received the Special Achievement in GIS (SAG) award for Delaware this year from ESRI at the User Conference.

Mark Nowak (City of Dover) reported they are tracking water meters in the city of Dover. Provided Kent County with updated/corrected point locations found in the process of finding the water meters.

Jay Hodny (City of Newark) reported they are using tablets, workforce and survey 123. Successful program. Newark will be installing enterprise in the near future.

Miriam Pomilio (OSPC) reported OSPC is working on the PLUS Process and evaluating the use of Esri's Workflow manager to streamline the process. Also OSPC just launched their new website which includes a PLUS Operations Dashboard (which Jimmy showed in his presentation) to allow users to find projects easier and get the documents for the projects.

Next Meeting

The next DGDC Quarterly meeting will be Thursday November 8, 2018. It will all be at the Kent County Administrative Complex, Room 220 and start at 9:00 am.

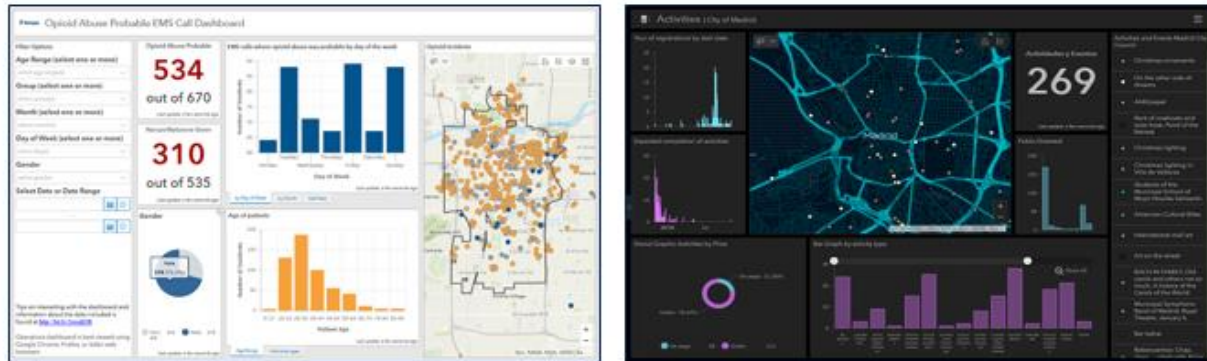
Adjournment

Roger Barlow made a motion to adjourn the meeting and it was seconded by Justin Cusick. The meeting was adjourned at 11:28 am.

Your Next Web App Should Be A Dashboard



Operations Dashboard for ArcGIS



Jimmy Kroon

Delaware Department of Agriculture

jimmy.kroon@state.de.us

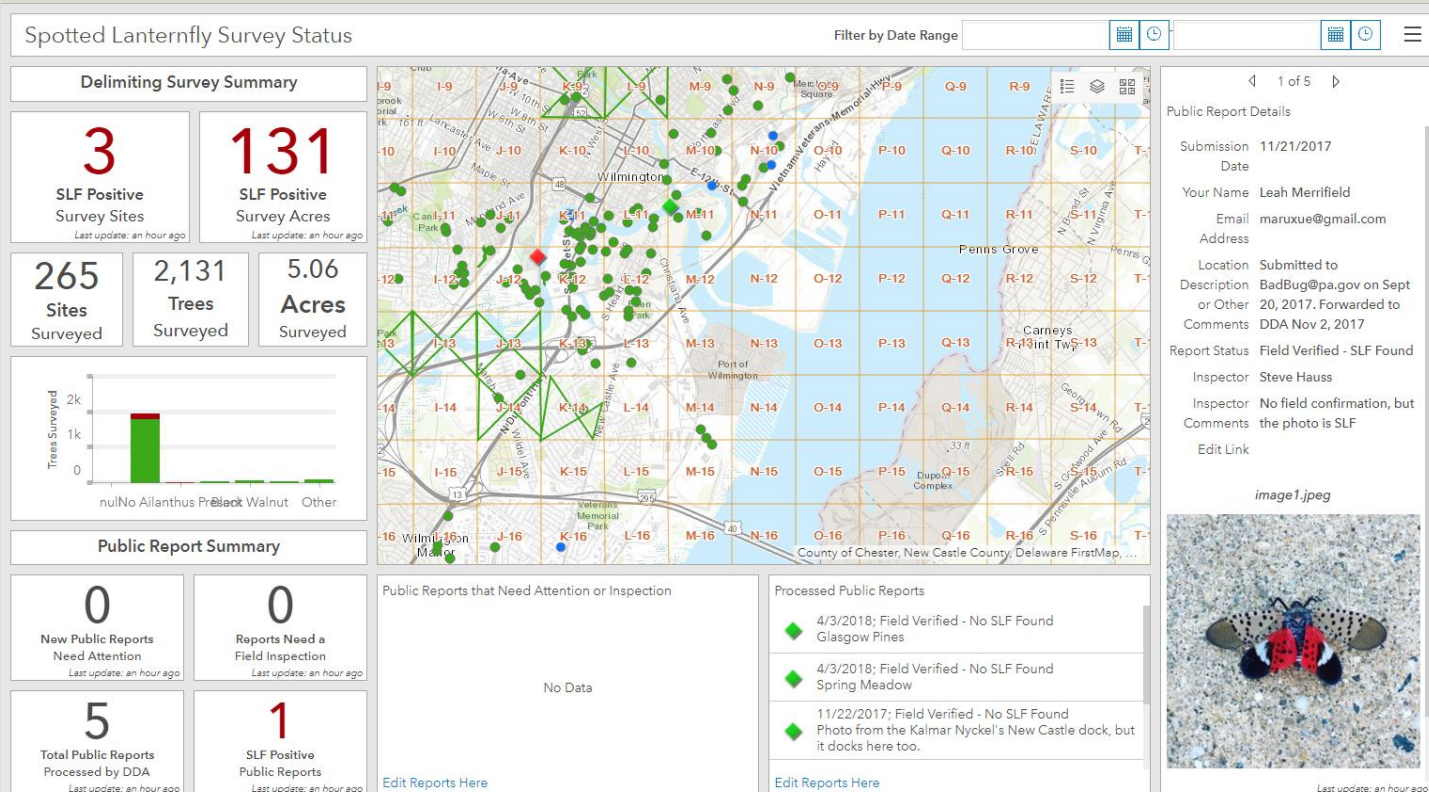
Spotted Lanternfly Survey

Survey data entered using Collector, Geoform, & ArcGIS Pro

- How many surveys / positive sites?
- What activities took place during a reporting period?
- How many / which public reports need followed up?

Dashboard URL (restricted login)

<https://delaware.maps.arcgis.com/apps/opsdashboard/index.html#/7639cfa291614b779e2438d46761b0f8>



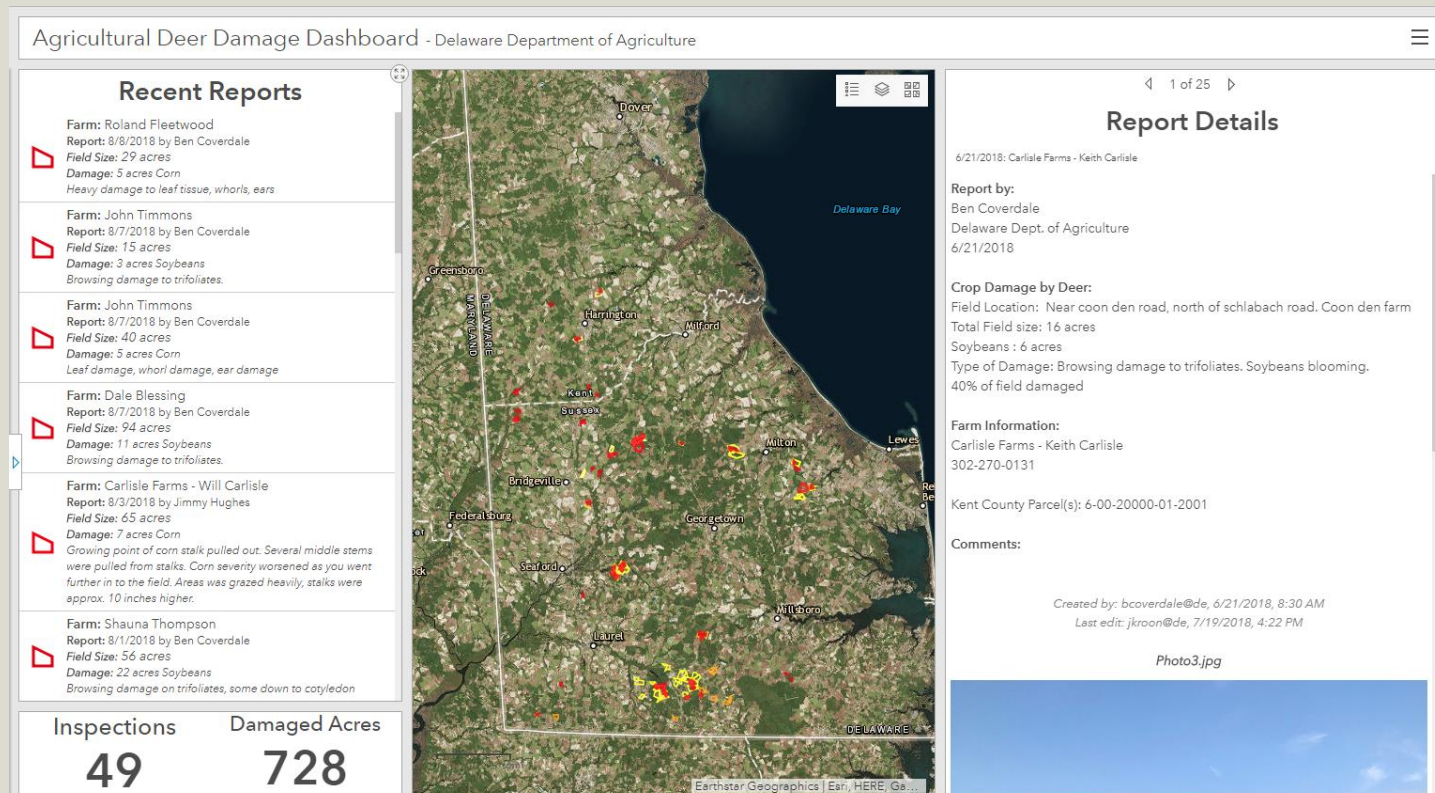
Agricultural Deer Damage Survey

Survey data entered using Collector

- What are the most recent reports?
 - Filter by Inspector/Farmer/Crop/Commodity/Time
- What are the details, photos, and location for a single report.

Dashboard URL (restricted login)

<https://delaware.maps.arcgis.com/apps/opstdashboard/index.html#/e388987cf3b748b194b6ca9ae40ba3ff>



2018 Ag Preservation Easements

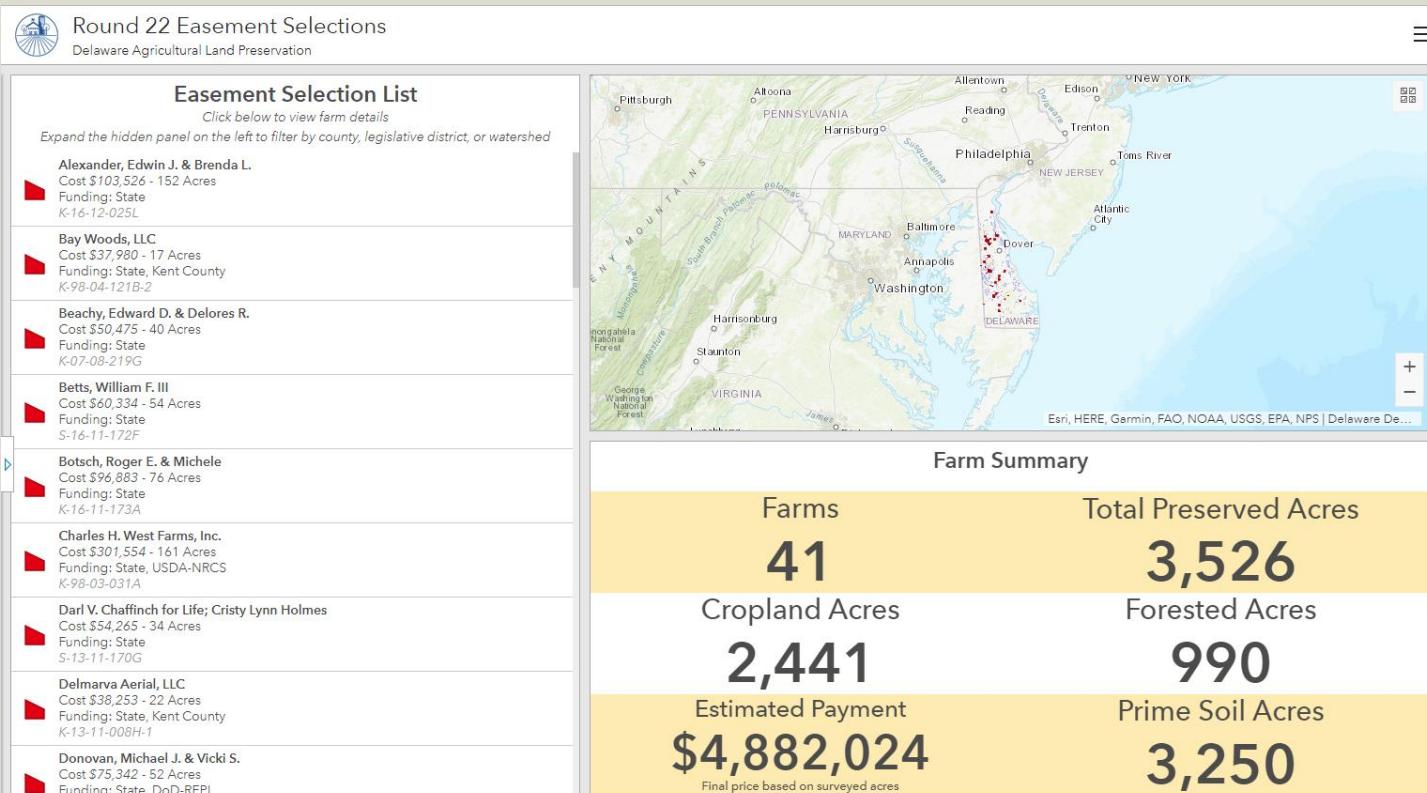
Interactive report - 2018 selection of properties for easement purchases

- Which properties were selected? Where are they? How are we spending taxpayer money?
- What kind of land use is being preserved? Cropland, Forest, Prime Soil, etc.
- How much land is preserved in areas of interest? County, Leg Districts, Watershed, etc.

Dashboard URL (public)

<https://delaware.maps.arcgis.com/apps/opsdashboard/index.html#/1ff376b0063c48f18af2012b37c89602>

Embedded at – <https://de.gov/agdashboard>



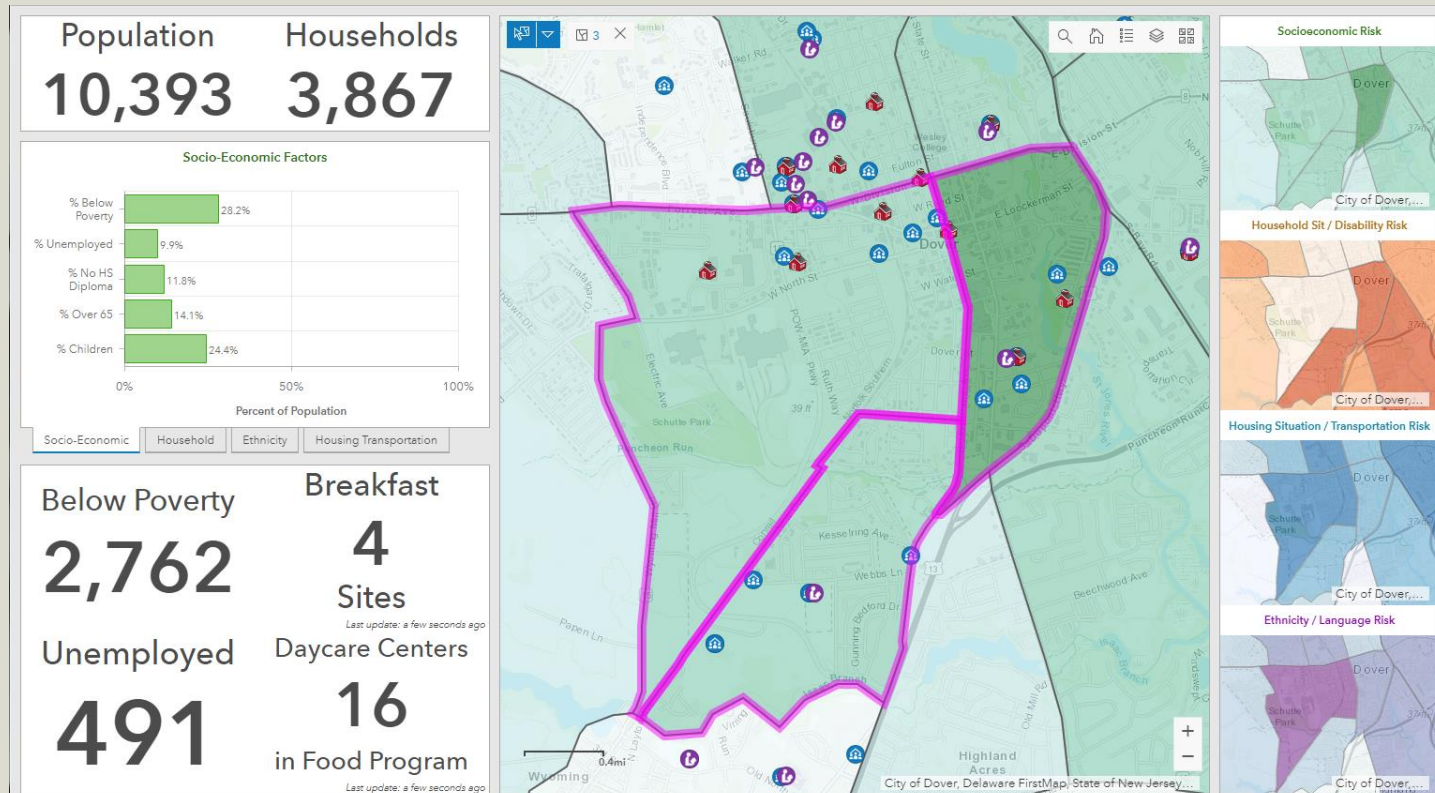
Food Policy Dashboard

Display population vulnerability to low healthy food access in relation to resource locations (In Development)

- Multiple maps with synced extents display different data for the same area
- Charts and tables update based on map selection

Dashboard URL (restricted login, may be public later)

<https://delaware.maps.arcgis.com/apps/opsdashboard/index.html#/d0b5166fa0bd4096b89b1922d504604b>



PLUS Projects (State Planning)

List recent development projects going through PLUS review.

- Find new projects in certain areas
 - Filter by jurisdiction, project type, Search by PLUS project ID
 - Retrieve project documents

Dashboard URL (public)

<http://delaware.maps.arcgis.com/apps/opsdashboard/index.html#/4e6936c264324bebbdefe057ab3c5f5a>

The screenshot displays the PLUS Operations Dashboard interface. At the top, there's a header bar with the title "PLUS Operations Dashboard" and a search bar labeled "Select By PLUS ID" with a dropdown arrow. Below the header, the dashboard is divided into three main sections:

- Selection Options:** This section contains three filter categories:
 - Select By Jurisdiction:** A dropdown menu currently showing "Dover".
 - Select By County:** A set of buttons for "None", "Kent County", "New Castle County", and "Sussex County". "Kent County" is currently selected.
 - Select by Project Type:** A grid of buttons for various project types: "None", "Conditional Use", "Subdivision", "Master Plan Review", "Resubdivision/Site Plan Review", "Rezoning", "Rezoning and Site Plan Review", "School Site Feasibility", "Site Feasibility", and "Site Plan Review". "Site Plan Review" is currently selected.
- PLUS Results List:** A list of project entries, each with a PLUS ID, Project Name, Jurisdiction, and Type. The first three entries are:
 - PLUS ID: 2018-07-02, Project Name: Dover Mall: Power Center, Jurisdiction: Dover, Type: Site Plan Review
 - PLUS ID: 2018-02-02, Project Name: Dover Shopping Center & Apartment Complex, Jurisdiction: Dover, Type: Site Plan Review
 - PLUS ID: 2016-02-07, Project Name: Chesapeake Utilities, Jurisdiction: Dover, Type: Site Plan Review
- PLUS Project Details:** This section provides detailed information for the selected project (PLUS ID: 2018-02-02):
 - Project Name:** Dover Shopping Center & Apartment Complex
 - Jurisdiction:** Dover
 - County:** Kent County
 - Description:** Review of a site plan for 76,000 square feet of commercial space and 240 apartment units on 25.01 acres along Rt. 13 in Dover.
 - Documents:** A list of available documents: "Application", "State Comments", and "Developer Response Not Available".

On the right side of the dashboard, there is a large aerial map showing the project location. The map includes a search bar, a home button, and a scale bar. The project area is highlighted in orange. The map is labeled with "Dover" and "2007-01-06". At the bottom right of the map, it says "Surdex Corp. 2017 | FirstMap 2017".

At the bottom left of the dashboard, there is a note: "Use the Selector items above to filter and search for PLUS information". At the bottom center, it says "Last update: a few seconds ago".

Citizen Problem Reporting

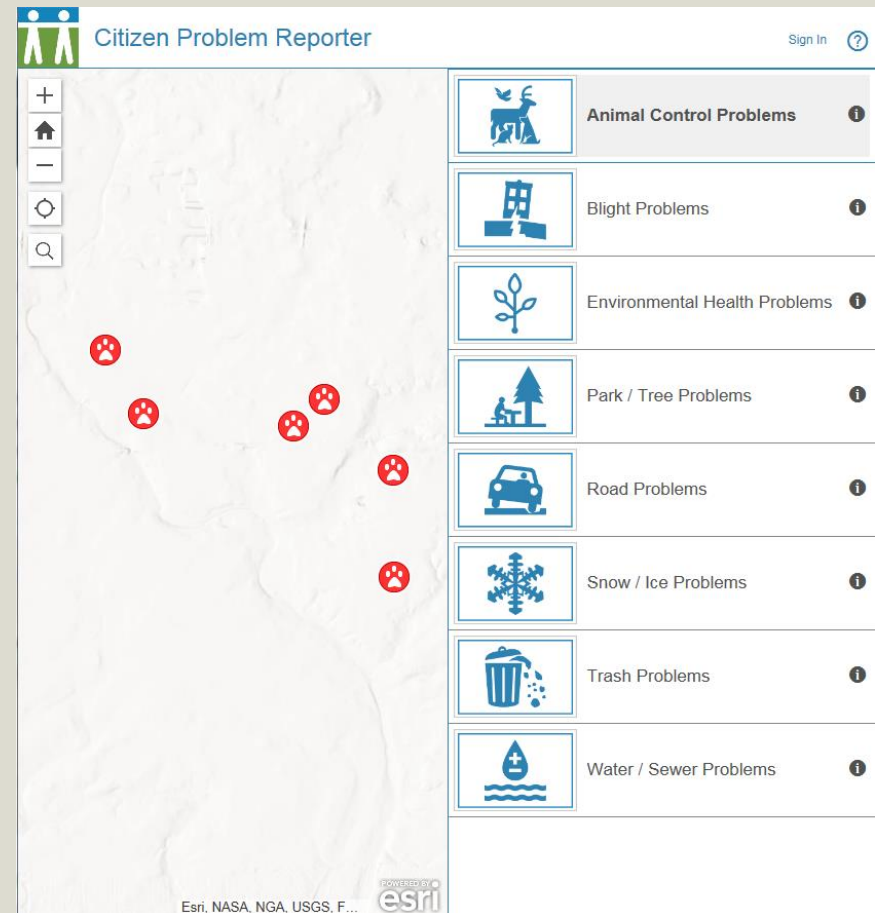
- ESRI Configurable Solution Template -

Citizens can report several types of .

- Find new projects in certain areas
 - Filter by jurisdiction, project type, Search by PLUS project ID
 - Retrieve project documents

Dashboard URL (public)

<https://www.arcgis.com/apps/opstdashboard/index.html#/f49b67cb587348ccad21a19b4d84f97c>



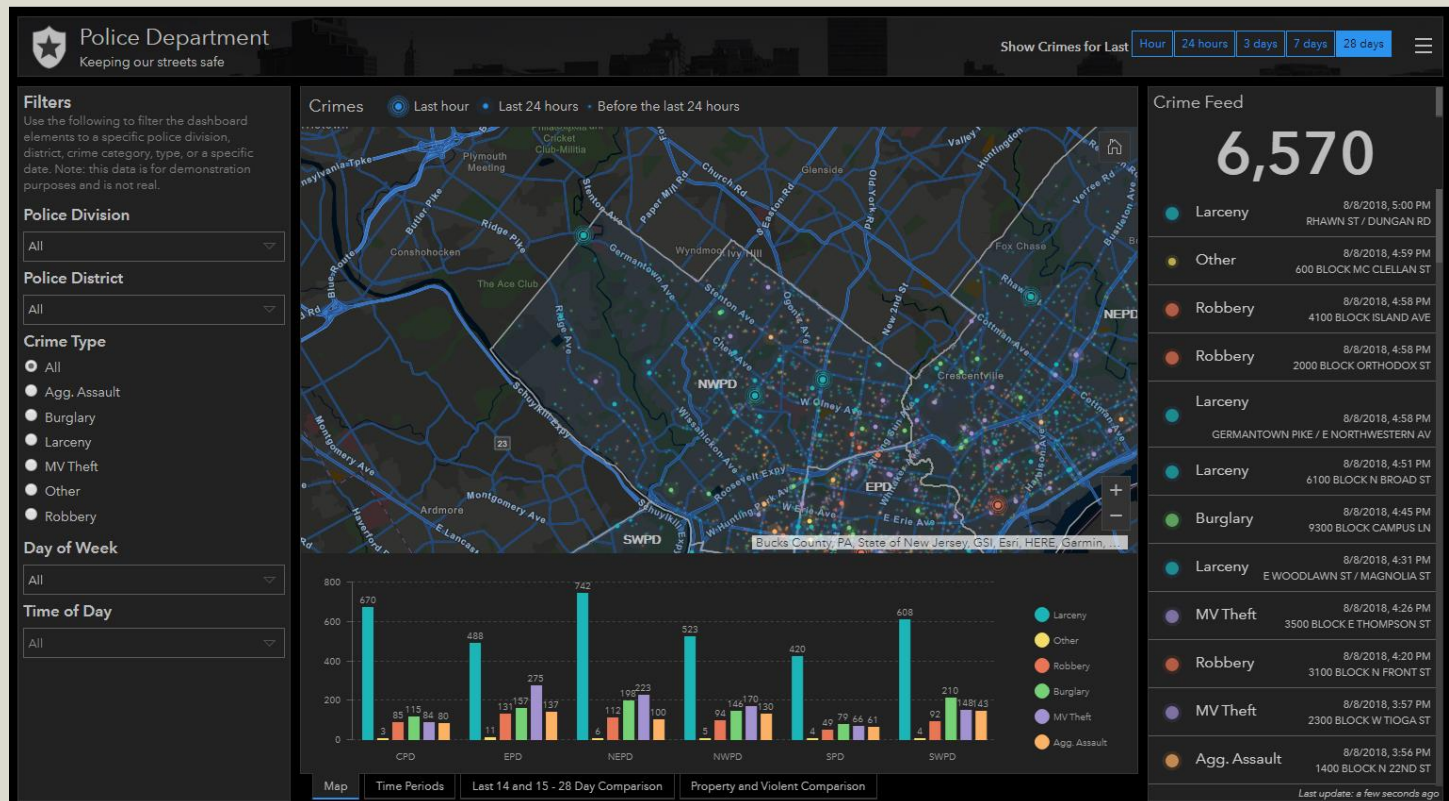
Philadelphia Crime Dashboard

Live-updating Philadelphia crime map

- Filter by region, police division, crime type, day, time
- Charts allow multiple comparisons of crime data

Dashboard URL (public)

<https://www.arcgis.com/apps/opsdashboard/index.html#/4f539791b2f1418cb5403891f1a7be50>



SLF Dashboard Configuration Demo

Configuration requires no programming. Each widget contains

Edit URL (restricted login)

<https://delaware.maps.arcgis.com/apps/opsdashboard/index.html#/7639cfa291614b779e2438d46761b0f8?edit=true>

Examples & Resources

ESRI Help – Create a Dashboard

<https://doc.arcgis.com/en/operations-dashboard/help/create-a-dashboard.htm>

ESRI Blog – Configure Your First Dashboard

<https://community.esri.com/community/gis/applications/operations-dashboard-for-arcgis/blog/2017/12/07/configure-your-first-dashboard>

ESRI UK Blog – New 2018 Dashboard Capabilities

<https://communityhub.esriuk.com/geoxchange/2018/4/19/operations-dashboard-april-update-2018>

ESRI Blog – Dashboard Examples

<https://www.esri.com/arcgis-blog/products/ops-dashboard/decision-support/some-example-operations-dashboard-for-arcgis-apps-resources/>

Operations Dashboard: 15 exemples pour vous inspirer !

<https://www.arcorama.fr/2018/01/operations-dashboard-15-exemples-pour.html>